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(FILE 'HOME' ENTERED AT 18:37:55 ON 31 JAN 2007)

FILE 'MEDLINE, SCISEARCH, CAPLUS, ESBIODBASE, EMBASE' ENTERED AT 18:42:09
ON 31 JAN 2007

```
L1      144996 S IGE OR "IG E" OR "IMMUNOGLOBULIN E"
L2      0 S L1 AND SPERTINI
L3      0 S L1 AND CORTHESEY
L4      79110 S L1 AND ALLERG?
L5      91 S L4 AND PROTEIN(2A)FRAG?
L6      366 S L4 AND PEPTIDE?(2A)FRAG?
L7      440 S L5 OR L6
L8      316 DUP REMOVE L7 (124 DUPLICATES REMOVED)
L9      850286 S "T-CELL" OR "T-CELLS" OR "T CELL" OR "T CELLS"
L10     89 S L8 AND L9
L11     73 S L10 AND PY<=2003
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L11 ANSWER 7 OF 73 MEDLINE on STN
AN 2003186113 MEDLINE
DN PubMed ID: 12704369
TI Allergen-specific T-cell tolerance induction
with allergen-derived long synthetic peptides: results of a
phase I trial.
AU Fellrath Jean-Marc; Kettner Alexander; Dufour Nathalie; Frigerio
Christian; Schneeberger Dominique; Leimgruber Annette; Corradin Gampietro;
Spertini Francois
CS Division of Immunology and Allergy, Centre Hospitalier Universitaire
Vaudois, Lausanne, Switzerland.
SO The Journal of allergy and clinical immunology, (2003 Apr) Vol.
111, No. 4, pp. 854-61.
Journal code: 1275002. ISSN: 0091-6749.
CY United States
DT (CLINICAL TRIAL)
(CLINICAL TRIAL, PHASE I)
Journal; Article; (JOURNAL ARTICLE)
(RANDOMIZED CONTROLLED TRIAL)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200305
ED Entered STN: 23 Apr 2003
Last Updated on STN: 9 May 2003
Entered Medline: 8 May 2003

L11 ANSWER 19 OF 73 MEDLINE on STN
AN 2000483268 MEDLINE
DN PubMed ID: 10975871
TI Inducing tolerance by intranasal administration of long peptides in naive
and primed CBA/J mice.
AU Astori M; von Garnier C; Kettner A; Dufour N; Corradin G; Spertini F
CS Division of Immunology and Allergy, Centre Hospitalier Universitaire
Vaudois, Lausanne, Switzerland.
SO Journal of immunology (Baltimore, Md. : 1950), (2000 Sep 15)
Vol. 165, No. 6, pp. 3497-505.
Journal code: 2985117R. ISSN: 0022-1767.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200010
ED Entered STN: 19 Oct 2000
Last Updated on STN: 19 Oct 2000
Entered Medline: 10 Oct 2000

L11 ANSWER 27 OF 73 MEDLINE on STN
AN 1998099314 MEDLINE
DN PubMed ID: 9438477
TI Recombinant allergen fragments as candidate preparations for
allergen immunotherapy.
AU Zeiler T; Taivainen A; Ryttonen M; Rautiainen J; Karjalainen H; Mantyjärvi
R; Tuomisto L; Virtanen T
CS Department of Clinical Microbiology, University of Kuopio, Finland.
SO The Journal of allergy and clinical immunology, (1997 Dec) Vol.
100, No. 6 Pt 1, pp. 721-7.
Journal code: 1275002. ISSN: 0091-6749.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199802
ED Entered STN: 17 Feb 1998
Last Updated on STN: 17 Feb 1998
Entered Medline: 2 Feb 1998

L11 ANSWER 31 OF 73 MEDLINE on STN
AN 97248280 MEDLINE
DN PubMed ID: 9120011
TI Conversion of the major birch pollen allergen, Bet v 1, into two
nonanaphylactic T cell epitope-containing fragments:
candidates for a novel form of specific immunotherapy.
AU Vrtala S; Hirtenlehner K; Vangelista L; Pastore A; Eichler H G; Sperr W R;
Valent P; Ebner C; Kraft D; Valenta R
CS Department of Immunopathology, Institute of General and Experimental
Pathology, AKH, University of Vienna, Austria.
SO The Journal of clinical investigation, (1997 Apr 1) Vol. 99, No.
7, pp. 1673-81.
Journal code: 7802877. ISSN: 0021-9738.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199704
ED Entered STN: 6 May 1997
Last Updated on STN: 6 May 1997
Entered Medline: 24 Apr 1997

L11 ANSWER 41 OF 73 MEDLINE on STN
AN 94141069 MEDLINE
DN PubMed ID: 7508463
TI IgE epitopes on the cat (Felis domesticus) major
allergen Fel d I: a study with overlapping synthetic peptides.
AU van Milligen F J; van 't Hof W; van den Berg M; Aalberse R C
CS Central Laboratory of The Netherlands Red Cross Blood Transfusion Service,
Amsterdam.
SO The Journal of allergy and clinical immunology, (1994 Jan) Vol.
93, No. 1 Pt 1, pp. 34-43.
Journal code: 1275002. ISSN: 0091-6749.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199403
ED Entered STN: 30 Mar 1994
Last Updated on STN: 29 Jan 1996
Entered Medline: 17 Mar 199

L11 ANSWER 43 OF 73 MEDLINE on STN
AN 94007270 MEDLINE
DN PubMed ID: 7691451
TI T cell epitopes of the major fraction of rye grass
Lolium perenne (Lol p. I) defined using overlapping peptides in vitro and
in vivo. I. Isoallergen clone1A.
AU Bungy Poor Fard G A; Latchman Y; Rodda S; Geysen M; Roitt I; Brostoff J
CS Department of Immunology, University College London Medical School, UK.
SO Clinical and experimental immunology, (1993 Oct) Vol. 94, No. 1,
pp. 111-6.
Journal code: 0057202. ISSN: 0009-9104.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199311
ED Entered STN: 17 Jan 1994
Last Updated on STN: 29 Jan 1996
Entered Medline: 9 Nov 199

L11 ANSWER 47 OF 73 MEDLINE on STN
AN 93139494 MEDLINE
DN PubMed ID: 7678615
TI Identification of multiple T cell epitopes on Bet v I,
the major birch pollen allergen, using specific T
cell clones and overlapping peptides.
AU Ebner C; Szepefalusi Z; Ferreira F; Jilek A; Valenta R; Parronchi P; Maggi
E; Romagnani S; Scheiner O; Kraft D
CS Institute of General and Experimental Pathology, University of Vienna,
Austria.
SO Journal of immunology (Baltimore, Md. : 1950), (1993 Feb 1) Vol.
150, No. 3, pp. 1047-54.
Journal code: 2985117R. ISSN: 0022-1767.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199302
ED Entered STN: 12 Mar 1993
Last Updated on STN: 29 Jan 1996
Entered Medline: 22 Feb 1993

L11 ANSWER 49 OF 73 MEDLINE on STN
AN 91191404 MEDLINE
DN PubMed ID: 2083407
TI Modulation of the immune response to ragweed allergens by peptic
fragments.
AU Michael J G; Litwin A; Hassert V; Pesce A
CS Department of Molecular Genetics, Biochemistry and Microbiology,
University of Cincinnati Medical Center, Ohio 45267-0524.
SO Clinical and experimental allergy : journal of the British Society for
Allergy and Clinical Immunology, (1990 Nov) Vol. 20, No. 6, pp.
669-74.
Journal code: 8906443. ISSN: 0954-7894.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199105
ED Entered STN: 2 Jun 1991
Last Updated on STN: 2 Jun 1991
Entered Medline: 14 May 1991

L11 ANSWER 58 OF 73 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2002:615861 CAPLUS
 DN 137:168289
 TI Use of ragweed Ambt7 pollen allergen proteins in diagnosis and
 therapy
 IN Buchanan, Bob B.; Del Val, Gregorio; Frick, Oscar L.
 PA The Regents of the University of California, USA
 SO PCT Int. Appl., 70 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002063012	A2	20020815	WO 2002-US3346	20020204 <--
	WO 2002063012	A3	20030313		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2437484	A1	20020815	CA 2002-2437484	20020204 <--
	US 2003170763	A1	20030911	US 2002-67484	20020204 <--
	US 2003180225	A1	20030925	US 2002-67620	20020204 <--
	EP 1360297	A2	20031112	EP 2002-717392	20020204 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	JP 2005503113	T	20050203	JP 2002-562749	20020204
	US 2006099215	A1	20060511	US 2005-236012	20050926
PRAI	US 2001-266686P	P	20010205		
	US 2002-67620	B3	20020204		
	WO 2002-US3346	W	20020204		

L11 ANSWER 63 OF 73 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 1999:311109 CAPLUS
 DN 130:351217
 TI Tolerogenic fragments of natural allergens
 IN Berrens, Lubertus; Gonzales Romano, Maria Leticia; Gallego Camara, Maria Teresa
 PA C.B.F. Leti, S.A., Spain
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9922762	A1	19990514	WO 1997-NL598	19971030 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2307655	A1	19990514	CA 1997-2307655	19971030 <--
	CA 2307655	C	20050524		
	AU 9858833	A	19990524	AU 1998-58833	19971030 <--
	AU 729589	B2	20010208		
	EP 1024829	A1	20000809	EP 1997-954496	19971030 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE				
	BR 9714899	A	20000822	BR 1997-14899	19971030 <--
	HU 200004831	A2	20010528	HU 2000-4831	19971030 <--
	JP 2001521907	T	20011113	JP 2000-518693	19971030 <--
	JP 3790099	B2	20060628		
	PL 187544	B1	20040730	PL 1997-340293	19971030
	US 6350590	B1	20020226	US 2000-530277	20000623 <--
	US 2002086348	A1	20020704	US 2001-453	20011204 <--
	US 6660495	B2	20031209		
PRAI	WO 1997-NL598	A	19971030		
	US 2000-530277	A3	20000623		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMA

L11 ANSWER 70 OF 73 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1991:490552 CAPLUS

DN 115:90552

TI Production of recombinant polypeptides derived from Amb A I (allergen E) and Amb a II (antigen K) of ragweed, (monoclonal) antibodies against the peptides, and use of the polypeptides in treating ragweed sensitivity

IN Rogers, Bruce; Klapper, David G.; Rafnar, Thorunn; Kuo, Mei Chang

PA Immulogic Pharmaceutical Corp., USA; University of North Carolina

SO PCT Int. Appl., 94 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9011293	A1	19901004	WO 1990-US1310	19900309 <--
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
	CA 2049921	A1	19900918	CA 1990-2049921	19900309 <--
	CA 2049921	C	20040615		
	EP 463059	A1	19920102	EP 1990-905020	19900309 <--
	EP 463059	B1	19981230		
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	JP 04504119	T	19920723	JP 1990-504838	19900309 <--
	JP 3220451	B2	20011022		
	EP 803511	A1	19971029	EP 1996-202477	19900309 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	AT 175209	T	19990115	AT 1990-905020	19900309 <--
	US 5776761	A	19980707	US 1993-175069	19931229 <--
	US 5698204	A	19971216	US 1994-290448	19940815 <--
	US 6335019	B1	20020101	US 1995-461939	19950605 <--
	US 6335020	B1	20020101	US 1995-464000	19950605 <--
PRAI	US 1989-325365	A	19890317		
	EP 1990-905020	A3	19900309		
	WO 1990-US1310	W	19900309		
	US 1990-529951	B3	19900529		
	US 1994-290448	A3	1994081		

L7 ANSWER 1 OF 77 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:530012 CAPLUS
TI Engineering of hypoallergenic variants to reduce IgE reactivity.
AU Chapman, Martin D.; Smith, Alisa M.
CS Asthma and Allergic Diseases Center, University Virginia, Charlottesville,
VA, USA
SO Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27 (
1998), AGFD-027 Publisher: American Chemical Society, Washington,
D. C.
CODEN: 66KYA2
DT Conference; Meeting Abstract
LA English

L7 ANSWER 2 OF 77 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1998:100953 CAPLUS
DN 128:191532
TI Modulation of IgE reactivity of allergens by site-directed
mutagenesis: potential use of hypoallergenic variants for
immunotherapy
AU Ferreira, Fatima; Ebner, Christof; Kramer, Bettina; Casari, Georg; Briza,
Peter; Kungl, Andreas J.; Grimm, Rudolf; Jahn-Schmid, Beatrice;
Breiteneder, Heimo; Kraft, Dietrich; Breitenbach, Michael; Rheinberger,
Hans-Jorg; Scheiner, Otto
CS Inst. Genetik Allgemeine Biologie, Univ. Salzburg, Salzburg, A-5020,
Austria
SO FASEB Journal (1998), 12(2), 231-242
CODEN: FAJOEC; ISSN: 0892-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 77 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:522322 CAPLUS
DN 127:259157
TI Expression in Escherichia coli, purification, and spectroscopic
characterization of two mutant Bet v 1 proteins
AU Boehm, Markus; Rosch, Paul
CS Universitat Bayreuth, Bayreuth, D-95440, Germany
SO Biological Chemistry (1997), 378(7), 687-695
CODEN: BICHF3; ISSN: 1431-6730
PB de Gruyter
DT Journal
LA English

L7 ANSWER 5 OF 77 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1997:474608. CAPLUS
DN 127:175340
TI Characterization of recombinant isoforms of birch pollen
allergen Bet v 1
AU Spangfort, M. D.; Ipsen, H.; Sparholt, S. H.; Aasmul-Olsen, S.; Osmark,
P.; Poulsen, F. M.; Larsen, M.; Moertz, E.; Roepstorff, P.; Larsen, J. N.
CS ALK Laboratories, Horsholm, Den.
SO Advances in Experimental Medicine and Biology (1996), 409 (New
Horizons in Allergy Immunotherapy), 251-254
CODEN: AEMBAP; ISSN: 0065-2598
PB Plenum
DT Journal
LA English
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 77 CAPLUS COPYRIGHT 2007 ACS on STN
AN 1996:716851 CAPLUS
DN 126:30105
TI Molecular and structural analysis of a continuous birch profilin
epitope defined by a monoclonal antibody
AU Wiedemann; Giehl, Klaudia; Almo, Steven C.; Fedorov, Alexander A.; Girvin,
Mark; Steinberger, Peter; Rudiger, Manfred; Ortner, Maria; et al.
CS Inst. General Exptl. Pathology, Univ. Vienna, Vienna, A-1090, Austria
SO Journal of Biological Chemistry (1996), 271(47), 29915-29921
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 31 OF 77 PCTFULL . COPYRIGHT 2007 Univentio on STN
 AN 1998059052 PCTFULL ED 20020514
 TIEN RECOMBINANT DNA WHICH CODES FOR EPITOPES OF THE PROFILINE
 ALLERGEN USEFUL FOR THE DIAGNOSIS AND TREATMENT OF
 ALLERGIES
 TIFR ADN RECOMBINANT QUI CODE POUR DES EPITOPES DE L'ALLERGENE
 PROFILINE UTILE POUR LE DIAGNOSTIC ET LE TRAITEMENT D'ALLERGIES
 IN PALACIOS PELAEZ, Ricardo;
 MARTINEZ QUESADA, Jorge;
 MARTINEZ GARATE, Alberto;
 ASTURIAS ORTEGA, Juan Andres
 PA INDUSTRIAL FARMACEUTICA Y DE ESPECIALIDADES, S.A. ;
 PALACIOS PELAEZ, Ricardo;
 MARTINEZ QUESADA, Jorge;
 MARTINEZ GARATE, Alberto;
 ASTURIAS ORTEGA, Juan Andres
 LA Spanish
 DT Patent
 PI WO 9859052 A1 19981230
 DS W: CA JP US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
 PT SE
 PRAI ES 1997-P 9701390 19970624
 AI WO 1998-ES175 A 19980618
 ICM C12N015-29
 ICS C12N015:70; C07K014:415; G01N033:53; A61K039:36

L7 ANSWER 74 OF 77 EPFULL COPYRIGHT 2007 EPO/FIZ KA on STN
 AN 1994:52709 EPFULL
 DUPD 20000830 DUPW 200035
 TIEN ANTIALLERGIC AGENT.
 TIFR AGENT ANTIALLERGIE.
 TIDE ANTIALLERGIESCHE SUBSTANZ.
 IN KINO, Kohsuke, Meiji Institute of Health Science 540, Naruda,
 Odawara-shi Kanagawa 250, JP;
 KOMIYAMA, Naoki, Meiji Institute of Health Science 540, Naruda,
 Odawara-shi Kanagawa 250, JP;
 SONE, Toshio, Meiji Institute of Health Science 540, Naruda, Odawara-shi
 Kanagawa 250, JP;
 KOHNO, Yoichi, 3-5-3-105, Takasu Mihama-ku, Chiba-shi Chiba 261, JP
 PA MEIJI MILK PRODUCTS COMPANY LIMITED, 3-6, Kyobashi 2-chome, Chuo-ku,,
 Tokyo 104-8381, JP
 PAN 370760
 AG Waechtershaeuser, Guenter, Prof. Dr., Patentanwalt, Tal 29, 80331
 Muenchen, DE
 AGN 12711
 DT Patent
 LAF Japanese
 LA English
 LAP English
 TL German; English; French
 PIT EPA1 Application published with search report
 PI EP 714662 A1 19960605
 WO 9502412 19950126
 DS AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE
 AI EP 1994-921100 A 19940715
 WO 1994-JP1164 A 19940715
 PRAI JP 1993-177008 A 19930716
 JP 1993-217725 A 19930901
 JP 1994-69336 A 19940407
 IC.VER 7
 ICM A61K037-02
 ICS A61K039-35; A61K039-36

L20 ANSWER 1 OF 14 USPATFULL on STN
 AN 2004:221347 USPATFULL
 TI Recombinant protein variants
 IN Holm, Jens, Copenhagen N, DENMARK
 Larsen, Jorgen N., Graested, DENMARK
 PA ALK-Abello A/S, Horsholm, DENMARK (non-U.S. corporation)
 PI US 2004171116 A1 20040902
 AI US 2003-698855 A1 20031031 (10)
 PRAI DK 2002-1686 20021101
 US 2002-422983P 20021101 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 2681
 INCL INCLM: 435/069.100
 INCLS: 435/320.100; 435/326.000; 530/387.200; 536/023.530
 NCL NCLM: 435/069.100
 NCLS: 435/320.100; 435/326.000; 530/387.200; 536/023.530
 IC [7]
 ICM C07H021-04
 ICS C07K016-44; C12N005-06
 IPCI C07H0021-04 [ICM,7]; C07H0021-00 [ICM,7,C*]; C07K0016-44 [ICS,7];
 C12N0005-06 [ICS,7]
 IPCR A61K0038-10 [N,C*]; A61K0038-11 [N,A]; C07K0014-415 [I,C*];
 C07K0014-415 [I,A]; C07K0014-435 [I,C*]; C07K0014-435 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 2 OF 14 USPATFULL on STN
 AN 2004:120094 USPATFULL
 TI Recombinant allergens
 IN Ipsen, Hans Henrik, Hillerod, DENMARK
 Spangfort, Michael Dho, Helsingborg, SWEDEN
 Larsen, Jorgen Nedergaard, Graested, DENMARK
 PA ALK-Abello A/S, Horsholm, DENMARK (non-U.S. corporation)
 PI US 2004091500 A1 20040513
 AI US 2003-719553 A1 20031120 (10)
 RLI Continuation of Ser. No. US 1999-270910, filed on 16 Mar 1999, PENDING
 PRAI DK 1998-364 19980316
 US 1998-78371P 19980318 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 1857
 INCL INCLM: 424/185.100
 INCLS: 703/011.000; 435/069.300
 NCL NCLM: 424/185.100
 NCLS: 435/069.300; 703/011.000
 IC [7]
 ICM A61K039-00
 ICS G06G007-48; G06G007-58
 IPCI A61K0039-00 [ICM,7]; G06G0007-48 [ICS,7]; G06G0007-58 [ICS,7];
 G06G0007-00 [ICS,7,C*]
 IPCR A61K0038-00 [N,C*]; A61K0038-00 [N,A]; A61K0039-00 [N,C*];
 A61K0039-00 [N,A]; C07K0014-415 [I,C*]; C07K0014-415 [I,A]
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 3 OF 14 USPATFULL on STN
 AN 2004:57436 USPATFULL
 TI Allergen mutants
 IN Holm, Jens, Copenhagen N, DENMARK
 Ferreras, Mercedes, Copenhagen O, DENMARK
 PA ALK-Abello A/S, Horsholm, DENMARK (non-U.S. corporation)
 PI US 2004043438 A1 20040304
 AI US 2003-440516 A1 20030516 (10)
 PRAI US 2002-381440P 20020516 (60)
 DT Utility

FS APPLICATION

LN.CNT 4420

INCL INCLM: 435/007.920
INCLS: 530/370.000; 530/387.100
NCL NCLM: 435/007.920
NCLS: 530/370.000; 530/387.100

IC [7]

ICM G01N033-53
ICS G01N033-537; G01N033-543; C07K014-415; C07K016-00
IPCI G01N0033-53 [ICM,7]; G01N0033-537 [ICS,7]; G01N0033-536
[ICS,7,C*]; G01N0033-543 [ICS,7]; C07K0014-415 [ICS,7];
C07K0016-00 [ICS,7]
IPCR A61K0038-10 [N,C*]; A61K0038-11 [N,A]; C07K0014-415 [I,C*];
C07K0014-415 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 4 OF 14 USPATFULL on STN

AN 2003:250526 USPATFULL

TI Novel mutant allergens

IN Holm, Jens, Fredensborg, DENMARK
Ipsen, Hans Henrik, Hillerod, DENMARK
Larsen, Jorgen Nedergaard, Graested, DENMARK
Spangfort, Michael Dho, Helsingborg, SWEDEN

PA ALK-Abello A/S (non-U.S. corporation)

PI US 2003175312 A1 20030918

AI US 2001-1245 A1 20011115 (10)

PRAI US 2000-249361P 20001116 (60)

US 2001-298170P 20010614 (60)

DT Utility

FS APPLICATION

LN.CNT 4299

INCL INCLM: 424/275.100
INCLS: 530/350.000
NCL NCLM: 424/275.100
NCLS: 530/350.000

IC [7]

ICM A61K039-35
ICS A61K039-36; C07K014-435
IPCI A61K0039-35 [ICM,7]; A61K0039-36 [ICS,7]; A61K0039-35 [ICS,7,C*];
C07K0014-435 [ICS,7]
IPCR A61K0039-00 [N,C*]; A61K0039-00 [N,A]; C07K0014-415 [I,C*];
C07K0014-415 [I,A]; C07K0014-435 [I,C*]; C07K0014-435 [I,A];
C07K0016-16 [I,C*]; C07K0016-16 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 5 OF 14 USPATFULL on STN

AN 2003:57096 USPATFULL

TI Recombinant hybrid allergen constructs with reduced allergenicity that
retain immunogenicity of the natural allergen

IN King, Te Piao, New York, NY, UNITED STATES
Spangfort, Michael Dho, Viken, SWEDEN

PA The Rockefeller University (U.S. corporation)

PI US 2003039660 A1 20030227

AI US 2002-91135 A1 20020304 (10)

PRAI US 2001-272818P 20010302 (60)

DT Utility

FS APPLICATION

LN.CNT 7866

INCL INCLM: 424/185.100
INCLS: 424/275.100; 435/183.000
NCL NCLM: 424/185.100
NCLS: 424/275.100; 435/183.000

IC [7]

ICM A61K039-00

ICS C12N009-00
IPCI A61K0039-00 [ICM,7]; C12N0009-00 [ICS,7]
IPCR A61K0038-00 [N,C*]; A61K0038-00 [N,A]; C07K0014-435 [I,C*];
C07K0014-435 [I,A]; C12N0015-62 [I,C*]; C12N0015-62 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 6 OF 14 USPATFULL on STN
AN 2002:323761 USPATFULL
TI Method for the generation of proteins with new enzymatic function
IN Mayo, Stephen, Pasadena, CA, UNITED STATES
Bolton, Daniel N., Pasadena, CA, UNITED STATES
PI US 2002183937 A1 20021205
AI US 2002-74679 A1 20020211 (10)
PRAI US 2001-267602P 20010209 (60)
DT Utility
FS APPLICATION
LN.CNT 2633
INCL INCLM: 702/019.000
NCL NCLM: 702/019.000
IC [7]
ICM G06F019-00
ICS G01N033-48; G01N033-50
IPCI G06F0019-00 [ICM,7]; G01N0033-48 [ICS,7]; G01N0033-50 [ICS,7]
IPCR G01N0033-48 [I,C*]; G01N0033-48 [I,A]; G01N0033-50 [I,C*];
G01N0033-50 [I,A]; G06F0019-00 [I,C*]; G06F0019-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L20 ANSWER 7 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
AN 2004039834 PCTFULL ED 20040518 EW 200420
TIEN RECOMBINANT PROTEIN VARIANTS
TIFR VARIANTS DE PROTEINES DE RECOMBINAISON
IN HOLM, Jens, Aegirsgade 67, 2. th., DK-2200 Copenhagen N, DK [DK, DK];
LARSEN, Jorgen, Nedergaard, Nyvej 11, DK-3230 Graested, DK [DK, DK]
PA ALK-ABELLO A/S, Boge Alle 6-8, DK-2970 Horsholm, DK [DK, DK], for all
designates States except US;
HOLM, Jens, Aegirsgade 67, 2. th., DK-2200 Copenhagen N, DK [DK, DK],
for US only;
LARSEN, Jorgen, Nedergaard, Nyvej 11, DK-3230 Graested, DK [DK, DK], for
US only
AG ZACCO DENMARK A/S, Hans Bekkevolds Alle 7, DK-2900 Hellerup, DK
LAF English
LA English
DT Patent
PI WO 2004039834 A2 20040513
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK
MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK
SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
W-U: AT CZ DE DK EE FI SK
RW (ARIPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
NL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
PRAI DK 2002-PA 2002 01686 20021101
US 2002-60/422,983 20021101
AI WO 2003-DK744 A 20031031
ICM C07K014-435

L20 ANSWER 8 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
AN 2004033643 PCTFULL ED 20040427 EW 200417
TIEN METHODS OF USE OF A DNA HELICASE IN THE DIAGNOSIS AND TREATMENT OF COLON
AND LUNG CANCER

TIFR METHODES D'UTILISATION D'UNE ADN HELICASE DANS LE DIAGNOSTIC ET LE
 TRAITEMENT DU CANCER DU COLON ET DU POU MON
 IN LASEK, Amy, W., 297 41st #5, Oakland, CA 94611, US [US, US]
 PA INCYTE CORPORATION, 3160 Porter Drive, Palo Alto, CA 94304, US [US, US],
 for all designates States except US;
 LASEK, Amy, W., 297 41st #5, Oakland, CA 94611, US [US, US], for US only
 AG HAMLET-COX, Diana, Incyte Corporation, 3160 Porter Drive, Palo Alto, CA
 94304, US
 LAF English
 LA English
 DT Patent
 PI WO 2004033643 A2 20040422
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
 MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN
 TR TT TZ UA UG US UZ VN YU ZA ZM ZW
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 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRAI US 2002-60/417,763 20021010
 AI WO 2003-US31743 A 20031007
 ICM C12N

L20 ANSWER 9 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 2003096869 PCTFULL ED 20031202 EW 200348
 TIEN ALLERGEN MUTANTS
 TIFR MUTANTS ALLERGENES
 IN HOLM, Jens, Aegirsgade 67, 2. th., DK-2200 Copenhagen N, DK [DK, DK];
 FERRERAS, Mercedes, Jagtvej 201, 4. tv., DK-2100 Copenhagen O, DK [ES,
 DK]
 PA ALK ABELLO A/S, Boge Alle 6-8, DK-2970 Horsholm, DK [DK, DK], for all
 designates States except US;
 HOLM, Jens, Aegirsgade 67, 2. th., DK-2200 Copenhagen N, DK [DK, DK],
 for US only;
 FERRERAS, Mercedes, Jagtvej 201, 4. tv., DK-2100 Copenhagen O, DK [ES,
 DK], for US only
 AG ZACCO DENMARK A/S, Hans Bekkevolds Alle 7, DK-2900 Hellerup, DK
 LAF English
 LA English
 DT Patent
 PI WO 2003096869 A2 20031127
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
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 W-U: AT CZ DE DK EE FI SK
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
 NL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRAI DK 2002-PA 2002 00756 20020516
 US 2002-60/381,440 20020516
 AI WO 2003-DK322 A 20030515
 ICM A61B

L20 ANSWER 10 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 2003068907 PCTFULL ED 20030903 EW 200334
 TIEN METHOD FOR THE GENERATION OF PROTEINS WITH NEW ENZYMATIC FUNCTION
 TIFR METHODE DE PRODUCTION DE PROTEINES AYANT UNE NOUVELLE FONCTION
 ENZYMATIQUE

IN MAYO, Steven, L., 530 Greenwood Avenue, Pasadena, CA 91107, US;
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 PA CALIFORNIA INSTITUTE OF TECHNOLOGY, Office of Technology Transfer, 1200
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 AG TRECARDIN, Richard, F., Flehr Hohbach Test Albritton & Herbert LLP, 4
 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US
 LAF English
 LA English
 DT Patent
 PI WO 2003068907 A2 20030821
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
 MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM
 TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
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 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRAI US 2001-60/267,602 20010209
 AI WO 2002-US21636 A 20020211
 ICM C12N

 L20 ANSWER 11 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 2002070665 PCTFULL ED 20020926 EW 200237
 TIEN RECOMBINANT HYBRID ALLRGEN.CONSTRUCTS WITH REDUCED ALLERGENICITY THAT
 RETAIN IMMUNOGENICITY OF THE NATURAL ALLERGEN
 TIFR HYBRIDES RECOMBINES D'ALLERGENES A ALLERGENICITE REDUITE CONSERVANT
 L'IMMUNOGENICITE DES ALLERGENES NATURELS
 IN KING, Te, Piao, 340 East 64th Street, New York, NY 10021, US [US, US];
 SPANGFORT, Michael, Dho, Hoevitsmansgatan 14, S-254 37 Helsingborg, SE
 [SE, SE]
 PA THE ROCKEFELLER UNIVERSITY, 1230 York Avenue, New York, NY 10024, US
 [US, US], for all designates States except US;
 ALK ABELLO A/S, Boge Alle 6-8, Post Office Box 408, DK-2970 Horsholm, DK
 [DK, DK], for all designates States except US;
 KING, Te, Piao, 340 East 64th Street, New York, NY 10021, US [US, US],
 for US only;
 SPANGFORT, Michael, Dho, Hoevitsmansgatan 14, S-254 37 Helsingborg, SE
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 AG FEHLNER, Paul, F., Darby & Darby P.C., 805 Third Avenue, New York, NY
 10022-7513, US
 LAF English
 LA English
 DT Patent
 PI WO 2002070665 A2 20020912
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
 MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM
 TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 PRAI US 2001-60/272,818 20010302
 AI WO 2002-US6765 A 20020304
 ICM C12N

 L20 ANSWER 12 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 2002040676 PCTFULL ED 20020610 EW 200221
 TIEN NOVEL MUTANT ALLERGENS
 TIFR NOUVEAUX ALLERGENES MUTANTS
 IN HOLM, Jens, Noddehegnet 30, DK-3480 Fredensborg, NO [NO, NO];

IPSEN, Henrik, Egevej 16, DK-3400 Hillerod, DK [DK, DK];
 NEDERGAARD LARSEN, Jorgen, Nyvej 11, DK-3230 Graested, DK [DK, DK];
 SPANGFORT, Michael, Dho, Hovitsmansgatan 14, S-237 54 Helsingborg, SE [DK, SE]

PA ALK-ABELLO A/S, Boge Alle 6-8, DK-2970 Horsholm, DK [DK, DK], for all designates States except US;
 HOLM, Jens, Noddehegnet 30, DK-3480 Fredensborg, NO [NO, NO], for US only;
 IPSEN, Henrik, Egevej 16, DK-3400 Hillerod, DK [DK, DK], for US only;
 NEDERGAARD LARSEN, Jorgen, Nyvej 11, DK-3230 Graested, DK [DK, DK], for US only;
 SPANGFORT, Michael, Dho, Hovitsmansgatan 14, S-237 54 Helsingborg, SE [DK, SE], for US only

AG HOFMAN-BANG ZACCO A/S, Hans Bekkevolds Alle 7, DK-2900 Hellerup, DK
 LAF English
 LA English
 DT Patent
 PI WO 2002040676 A2 20020523
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
 IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN
 MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM
 TR TT TZ UA UG US UZ VN YU ZA ZM ZW
 W-U: AT CZ DE DK EE FI SK
 RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRAI DK 2000-PA 2000 01718 20001116
 US 2000-60/249,361 20001116
 US 2001-60/298,170 20010614
 AI WO 2001-DK764 A 20011116
 ICM C12N015-29
 ICS C12N015-12; C07K014-415; C07K014-435; A61K039-35; A61K039-36; C12N005-10
 ICA A61P037-08

L20 ANSWER 13 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 2001083559 PCTFULL ED 20020826
 TIEN PRODUCTION AND USE OF PROTEIN VARIANTS HAVING MODIFIED IMMUNOGENECITY
 TIFR VARIANTS DE PROTEINES A IMMUNOGENECITE MODIFIEE
 IN ROGGEN, Erwin, Ludo;
 ERNST, Steffen;
 SVENDSEN, Allan;
 FRIIS, Esben, Peter;
 VON DER OSTEN, Claus

PA NOVOZYMES A/S;
 ROGGEN, Erwin, Ludo;
 ERNST, Steffen;
 SVENDSEN, Allan;
 FRIIS, Esben, Peter;
 VON DER OSTEN, Claus

DT Patent
 PI WO 2001083559 A2 20011108
 DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
 CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
 JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
 MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
 UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG
 ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR
 GB GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW
 ML MR NE SN TD TG

PRAI DK 2000-PA 2000 00707 20000428
 US 2000-60/203,345 20000510
 DK 2001-PA 2001 00327 20010228

US 2001-60/277,817 20010321
 AI WO 2001-DK293 A 20010430
 ICM C07K001-00
 ICS C12N009-00; C07K016-00; C07K014-00; G01N033-53; G06F017-50

L20 ANSWER 14 OF 14 PCTFULL COPYRIGHT 2007 Univentio on STN
 AN 1999047680 PCTFULL ED 20020515
 TIEN MUTANT RECOMBINANT ALLERGENS
 TIFR ALLERGENES RECOMBINES MUTANTS
 IN IPSEN, Hans, Henrik;
 SPANGFORT, Michael, Dho;
 LARSEN, J&phis;rgen, Nedergaard
 PA ALK-ABELLE A/S;
 IPSEN, Hans, Henrik;
 SPANGFORT, Michael, Dho;
 LARSEN, J&phis;rgen, Nedergaard
 LA English
 DT Patent
 PI WO 9947680 A1 19990923
 DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
 ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH
 GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
 CF CG CI CM GA GN GW ML MR NE SN TD TG

PRAI DK 1998-0364/98 19980316
 AI WO 1999-DK136 A 19990316
 ICM C12N015-29
 ICS C12N015-12; C07K014-415; C07K014-435; A61K039-35; A61K039-36